| Ref<br># | Hits | Search Query                  | DBs  | Defa<br>ult<br>Oper<br>ator | Plurals | Time Stamp       |
|----------|------|-------------------------------|--|-----------------------------|---------|------------------|
| L1       | 9    | ((KUNIO) near2 (KAMATA)).INV. | US-PGPUB;<br>USPAT;<br>USOCR   | OR                          | OFF     | 2010/11/02 17:35 |
| L2       | 57   | ((DAISUKE) near2 (KATO)).INV. | US-PGPUB;<br>USPAT;<br>USOCR   | OR                          | OFF     | 2010/11/02 17:35 |
| L3       | 0    | ("norovirusandL2").PN.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                          | OFF     | 2010/11/02 17:37 |
| L4       | 0    | ("norovirus").PN.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                          | OFF     | 2010/11/02 17:37 |
| L5       | 29   | norovirus                     | USPAT  | OR                          | OFF     | 2010/11/02 17:38 |
| L6       | 0    | L5 and L2                     | USPAT  | OR                          | OFF     | 2010/11/02 17:38 |
| L7       | 11   | ELISA and L5                  | USPAT  | OR                          | OFF     | 2010/11/02 17:38 |
| L8       | 0    | L7 and L1                     | USPAT  | OR                          | OFF     | 2010/11/02 17:38 |
| L9       | 0    | L7 and L2                     | USPAT  | OR                          | OFF     | 2010/11/02 17:38 |
| L10      | 0    | ("L7andL1").PN.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                          | OFF     | 2010/11/02 17:38 |
| L11      | 0    | ("L7andL2").PN.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                          | OFF     | 2010/11/02 17:39 |
| L12      | 29   | L2                            | USPAT  | OR                          | OFF     | 2010/11/02 17:39 |
| L13      | 0    | L2 and norovirus              | USPAT  | OR                          | OFF     | 2010/11/02 17:39 |

| EAST Search History (Prior Art) |       |                                |  |    |     |                  |
|---------------------------------|-------|--------------------------------|--|----|-----|------------------|
| L14                             | 0     | ("L2andNorovirus").PN.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/02 17:39 |
| L15                             | 0     | ("ELISAandL2").PN.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/02 17:40 |
| L16                             | 45268 | ELISA                          | USPAT  | OR | OFF | 2010/11/02 17:40 |
| L17                             | 11    | L16 and L7                     | USPAT  | OR | OFF | 2010/11/02 17:40 |
| L18                             | 0     | L17 and L2                     | USPAT  | OR | OFF | 2010/11/02 17:40 |
| L19                             | 0     | L2 and L1                      | USPAT  | OR | OFF | 2010/11/02 17:40 |
| L20                             | 0     | ("L2andnorovirus").PN.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/11/02 17:41 |
| S1                              | 85    | ((LEE) near2 (JACKSON)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/08 09:54 |
| S2                              | 85    | ((LEE) near2 (JACKSON)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/08 09:54 |
| <b>S</b> 3                      | 8     | ((REX) near2 (SPENDLOVE)).INV. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/08 09:54 |
| S4                              | 0     | ("phageandresistance").PN.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/08 09:55 |
| S5                              | 4102  | phage same resistance          | USPAT  | OR | OFF | 2010/10/08 09:55 |
| S6                              | 63524 | host same cell                 | USPAT  | OR | OFF | 2010/10/08 09:55 |
| S7                              | 3310  | S6 and S5                      | USPAT  | OR | OFF | 2010/10/08 09:55 |
| S8                              | 0     | (h-mutant)                     | USPAT  | OR | OFF | 2010/10/08 09:56 |
| S9                              | 2394  | S7 and mutant                  | USPAT  | OR | OFF | 2010/10/08 09:56 |
| S10                             | 2070  | bacteria and S9                | USPAT  | OR | OFF | 2010/10/08 09:57 |
| S11                             | 0     | S10 and S1                     | USPAT  | OR | OFF | 2010/10/08 09:57 |

|     |       |                           | (                            | ,  |     |                  |
|-----|-------|---------------------------|------------------------------|----|-----|------------------|
| S12 | 0     | S10 and S2                | USPAT                        | OR | OFF | 2010/10/08 09:57 |
| S13 | 0     | S10 and S3                | USPAT                        | OR | OFF | 2010/10/08 09:57 |
| S14 | 0     | S5 and S2                 | USPAT                        | OR | OFF | 2010/10/08 09:57 |
| S15 | 0     | mutant and S2             | USPAT                        | OR | OFF | 2010/10/08 09:57 |
| S16 | 23007 | mutant same host          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 09:58 |
| S17 | 4     | S16 and S2                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 09:58 |
| S18 | 3     | S16 and S3                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 09:58 |
| S19 | 1061  | S16 and S9                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:02 |
| S20 | 219   | S19 and food              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:02 |
| S21 | 0     | S20 and lytic adj virus   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:03 |
| S22 | 170   | S20 and virus             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:03 |
| S23 | 0     | S22 and extended adj host | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:04 |
| S24 | 0     | S22 and h adj mutant      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:04 |
| S25 | 23007 | host same mutant          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:04 |
| S26 | 170   | \$25 and \$22             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:04 |
| S27 | 253   | lytic adj phage           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:05 |
| S28 | 3     | S27 and S22               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:05 |
| S29 | 1561  | 424/93.1.ICLS.            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/08 10:09 |

|             |     | EACT OCUTOR TRISLOT                | , (                          | ,   |     |                  |
|-------------|-----|------------------------------------|------------------------------|-----|-----|------------------|
| S30         | 7   | <b>№9</b> and <b>№</b> 7           | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF | 2010/10/08 10:09 |
| \$31        | 26  | ((LIMIN) near2 (LI)).INV.          | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF | 2010/10/08 10:34 |
| \$32        | 66  | ((MICHAEL) near2 (KINCH)).INV.     | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF | 2010/10/08 10:34 |
| \$33        | 9   | ((MICHAEL) near2 (GOLDBLATT)).INV. | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF | 2010/10/08 10:34 |
| S34         | 0   | CB8 and TSG101                     | USPAT                        | OR  | OFF | 2010/10/08 10:35 |
| S35         | 32  | (CB-8)                             | USPAT                        | OR  | OFF | 2010/10/08 10:35 |
| S36         | 146 | CB8                                | USPAT                        | OR  | OFF | 2010/10/08 10:35 |
| S37         | 0   | TSG101 and S35                     | USPAT                        | OR  | OFF | 2010/10/08 10:35 |
| S38         | 0   | TSG101 and S36                     | USPAT                        | OR  | OFF | 2010/10/08 10:35 |
| <b>S3</b> 9 | 0   | S35 and S31                        | USPAT                        | OR  | OFF | 2010/10/08 10:36 |
| S40         | 0   | S35 and S31                        | USPAT                        | OR  | OFF | 2010/10/08 10:36 |
| S41         | 0   | S36 and S31                        | USPAT                        | OR  | OFF | 2010/10/08 10:36 |
| S42         | 0   | S36 and S32                        | USPAT                        | OR  | OFF | 2010/10/08 10:37 |
| S43         | 0   | S35 and S31                        | USPAT                        | OR  | OFF | 2010/10/08 10:37 |
| S44         | 0   | S31 and CB                         | USPAT                        | OR  | OFF | 2010/10/08 10:37 |
| S45         | 0   | ("L5andL1").PN.                    | USPAT;<br>USOCR              | OR  | OFF | 2010/10/08 10:37 |
| S46         | 0   | ("L5andL1").PN.                    | USPAT;<br>USOCR              | OR  | OFF | 2010/10/08 10:38 |
| S47         | 0   | ("L6andL1").PN.                    | USPAT;<br>USOCR              | OR  | OFF | 2010/10/08 10:38 |
| S48         | 0   | S35 and S31                        | USPAT                        | OR  | OFF | 2010/10/08 10:38 |
| <b>S4</b> 9 | 0   | S35 and S31                        | USPAT                        | AND | OFF | 2010/10/08 10:38 |
| S50         | 9   | antibody and S32                   | USPAT                        | AND | OFF | 2010/10/08 10:38 |
| S51         | 7   | antibody and S31                   | USPAT                        | AND | OFF | 2010/10/08 10:38 |
| S52         | 1   | antibody and S33                   | USPAT                        | AND | OFF | 2010/10/08 10:38 |
| S53         | 0   | TSG and S50                        | USPAT                        | AND | OFF | 2010/10/08 10:39 |
| S54         | 19  | antibody and S35                   | USPAT                        | AND | OFF | 2010/10/08 10:45 |
| S55         | 22  | antibody and S36                   | USPAT                        | AND | OFF | 2010/10/08 10:45 |
| S56         | 11  | deposit and S54                    | USPAT                        | AND | OFF | 2010/10/08 10:45 |
| S57         | 3   | deposit and S55                    | USPAT                        | AND | OFF | 2010/10/08 10:45 |
| S58         | 0   | (PTA-9611)                         | USPAT                        | AND | OFF | 2010/10/08 10:46 |
| S59         | 0   | "9611" and S56                     | USPAT                        | AND | OFF | 2010/10/08 10:46 |
| S60         | 0   | "9611" and S57                     | USPAT                        | AND | OFF | 2010/10/08 10:46 |

|             |       |  | •                            | ,  |     |                  |
|-------------|-------|--|------------------------------|----|-----|------------------|
| S61         | 95    | ((RINO) near2 (RAPPUOLI)).INV.                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/09 20:57 |
| S62         | 71    | ((DEREK) near2 (O"HAGAN)).INV.                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/09 20:57 |
| S63         | 1     | ((GUISEPPE) near2 ("DEL GUIDICE")).INV.          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/09 20:57 |
| S64         | 0     | ("influenzaandL1").PN.                           | USPAT;<br>USOCR              | OR | OFF | 2010/10/09 20:58 |
| S65         | 15480 | influenza  | USPAT                        | OR | OFF | 2010/10/09 20:58 |
| S66         | 437   | influenza same oligonucleotide                   | USPAT                        | OR | OFF | 2010/10/09 20:58 |
| S67         | 0     | influenza same oligonucleotide same<br>aluminium | USPAT                        | OR | OFF | 2010/10/09 20:59 |
| S68         | 9     | aluminium and S66                                | USPAT                        | OR | OFF | 2010/10/09 20:59 |
| S69         | 0     | S68 and "L1"                                     | USPAT                        | OR | OFF | 2010/10/09 20:59 |
| S70         | 0     | S68 and S61                                      | USPAT                        | OR | OFF | 2010/10/09 20:59 |
| S71         | 3267  | Li and influenza                                 | USPAT                        | OR | OFF | 2010/10/09 20:59 |
| S72         | 1096  | "L1" and influenza                               | USPAT                        | OR | OFF | 2010/10/09 21:00 |
| S73         | 1096  | S65 and "L1"                                     | USPAT                        | OR | OFF | 2010/10/09 21:00 |
| S74         | 23    | S66 and "I1"                                     | USPAT                        | OR | OFF | 2010/10/09 21:00 |
| S75         | 18    | S66 and "I2"                                     | USPAT                        | OR | OFF | 2010/10/09 21:00 |
| S76         | 4     | S74 and alum                                     | USPAT                        | OR | OFF | 2010/10/09 21:00 |
| S77         | 2     | S75 and alum                                     | USPAT                        | OR | OFF | 2010/10/09 21:01 |
| S78         | 659   | CpG and "L1"                                     | USPAT                        | OR | OFF | 2010/10/09 21:04 |
| S79         | 117   | S78 and alum                                     | USPAT                        | OR | OFF | 2010/10/09 21:04 |
| <b>S</b> 80 | 144   | Influenza same CpG                               | USPAT                        | OR | OFF | 2010/10/09 21:05 |
| S81         | 51    | S80 same alum                                    | USPAT                        | OR | OFF | 2010/10/09 21:05 |
| S82         | 3     | S81 and "L1"                                     | USPAT                        | OR | OFF | 2010/10/09 21:05 |
| \$83        | 0     | S81 and "L2"                                     | USPAT                        | OR | OFF | 2010/10/09 21:05 |
| S84         | 48    | ((TATSUYA) near2 (YAMAGUCHI)).INV.               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/25 11:21 |
| S85         | 48    | ((TATSUYA) near2 (YAMAGUCHI)).INV.               | US-PGPUB;                    | OR | OFF | 2010/10/25 11:22 |
|             |       |  | USPAT;<br>USOCR              |    |     |                  |
| S86         | 36    | ((MASAYA) near2 (SEGAWA)).INV.                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/25 11:22 |
| S87         | 48    | ((TATSUYA) near2 (YAMAGUCHI)).INV.               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/25 11:22 |

|     |        |                                      |  | -  |     |                  |
|-----|--------|--------------------------------------|--|----|-----|------------------|
| S88 | 2      | ((MASASHI) near2 (MIZOKAMI)).INV.    | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/25 11:23 |
| S89 | 41     | ((YASUHITO) near2 (TANAKA)).INV.     | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/25 11:23 |
| S90 | 5      | ((KUNITADA) near2 (SHIMOTOHNO)).INV. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/25 11:24 |
| S91 | 20     | ((MAKOTO) near2 (HIJIKATA)).INV.     | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/25 11:24 |
| S92 | 25682  | Hollow adj fiber                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:24 |
| S93 | 253823 | cell same culture                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:24 |
| S94 | 4482   | S92 and S93                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:25 |
| S95 | 239068 | hepatocyte or liver                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:25 |
| S96 | 2116   | \$95 and \$94                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:25 |

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| \$97     | 8185 | hepatitis adj virus | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:25 |
|----------|------|---------------------|--|----|-----|------------------|
| S98      | 88   | S96 and S97         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:25 |
| S99      | 1    | S98 and S85         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |
| S10<br>0 | 1    | S98 and S86         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |
| S10<br>1 | 1    | S96 and S87         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |
| S10<br>2 | 1    | S98 and S88         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |
| S10<br>3 | 1    | S98 and S89         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |

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| S10<br>4 | 1   | \$98 and \$90                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/10/25 11:26 |
|----------|-----|----------------------------------|--|----|-----|------------------|
| S10<br>5 | 3   | ((ZHAOCHUN) near2 (CHEN)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/28 17:28 |
| S10<br>6 | 9   | ((PATRICIA) near2 (EARL)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/28 17:29 |
| S10<br>7 | 58  | ((BERNARD) near2 (MOSS)).INV.    | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/28 17:29 |
| S10<br>8 | 15  | ((SUZANNE) near2 (EMERSON)).INV. | US-PGPUB   | OR | OFF | 2010/10/28 17:29 |
| S10<br>9 | 133 | ((ROBERT) near2 (PURCELL)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2010/10/28 17:29 |

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